

Modular Multiplexer

Model name: OMM2000



Description

OMM2000 enables you to switch up to 36 inputs of digital video and audio from source side in far locations to 36 digital displays and digital audio devices by using not only general PC software like Hyperlink terminal (serial communication) or web browser (LAN) but also Opticis' dedicated software in our shipping group. It supports DVI with digital audio, HDMI, and 3G-SDI format as an input and output. The input and output cards has 6 ports of DVI with digital audio, HDMI or 3G-SDI. User can configures any format of input/output channels from 6X6 to 36X36 by plugging the cards into OMM2000 mainframe. It supports wide-range compatibility with respect to systems, consisting of various DVI, HDMI, HD-SDI sources and various digital monitors. Due to conversion function inside, any input formats can be converted to any output formats as user's instruction. Easy programming feature is accomplished in various manners such as manual input of front touch panel or PC programming with various interfaces of RS-232, USB, and Ethernet. It has been designed not only to fully execute the DDC (Display Data Channel)/HDCP (High-bandwidth Digital Content Protection) function between any inputs and outputs, but also to have users designate EDID to inputs for wide compatibility. It also covers user's own programming with basic command sets of ASCII or Binary codes to offer flexible application with other video controllers or control software. Embedded video signal generator and diagnostic function help the user solve the problem with easy.

Features

- Enables to cross switch between one of 36 DVI with Digital audio, HDMI and 3G-SDI input and any of these outputs.
- Supports graphic resolution up to 1920x1200 at 60Hz and HD 1080p (1920x1080).
- Offers various user interface using Internet, USB, RS-232C, LAN (TCP/IP) control and Front Touch Panel.
 - 1) WEB – Control by web browser like Internet Explorer.
 - 2) USB – USB 2.0 device compatible.
 - 3) RS-232 – various baud rates.
 - 4) LAN – TCP/IP communication.
 - 5) Front Touch Panel – support manual key input and mouse point and click.
- Supports two options to set EDID for graphic source.
 - 1) Factory setting – EDID to each input in factory-out and able to restore it any time after

- taking other options
- 2) EDID learning – able to read EDID from any of connected displays and store it to any of input ports.
- Supports DVI with DDC & HDCP, HDMI and 3G-SDI.
 - 19" Rack-mountable – Robust & Heavy duty casing.
 - Provides 10.4" touch panel.
 - 1) Key input for operation and setup for installation
 - 2) Monitoring and diagnosis for input and output status
 - Supports configurable input and output channels from 6X6 up to 36X36 (by multiple of 6).
 - 1) OMDI : 6ch DVI with 6ch Digital audio (RCA) input card
 - 2) OMDO: 6ch DVI with 6ch Digital audio (RCA) output card
 - 3) OMHI : 6ch HDMI input card
 - 4) OMHO: 6ch HDMI output card
 - 5) OMSI : 6ch 3G-SDI input card
 - 6) OMSO: 6ch 3G-SDI output card
 - Provides reference video source for easy installation.
 - Provides diagnostic function for quick trouble shooting.
 - Support mouse point and click for easy operation.

Technical Information

- Signal type: Digital TMDS and Digital audio.
- Fully supports HDCP and HDMI for digital content protection.
- Maximum Bandwidth: 1.65Gbps for Single link DVI and 192KHz for SPDIF Digital audio.
- Display resolutions: 480i to 1080p / 640 x 480 to 1600 x 1200 at 60Hz.
- Control or interface method: Front touch panel manual control, IR remote control USB, RS-232, and LAN port.
- Power supply: AC 110-240V 50/60Hz.
- Power consumption: 130W
- Dimensions(W X D X H): 483mm X 254mm X 444mm
- Weight : 21 Kg
- Operating temperature & Humidity: 0~40℃ , less than 80% humidity.

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